

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-121589

(43)Date of publication of application : 09.05.1990

(51)Int.Cl.

H04N 7/12

H04N 7/13

(21)Application number : 63-275143

(71)Applicant : SONY CORP

(22)Date of filing : 31.10.1988

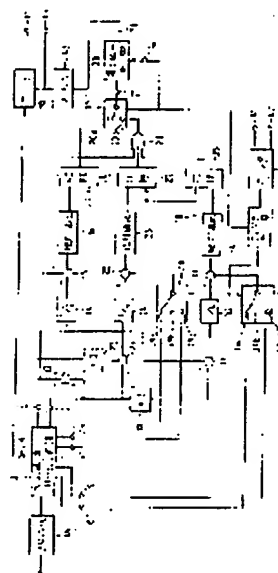
(72)Inventor : KONDO TETSUJIRO

(54) HIGH-EFFICIENCY CODING DEVICE FOR PICTURE SIGNAL

(57)Abstract:

PURPOSE: To improve the quality of a reproduced picture and reduce the number of control codes by performing transmitting and thinning processes in accordance the size of an estimation error of plural interpolating picture elements, and transmitting a control code indication indicating transmission or thinning together with the data of transmitted picture elements.

CONSTITUTION: An estimated value is calculated from two picture element data (a) and (b) taken out to output terminals 4 and 5 of a peripheral picture element taking out circuit 2. An estimated value $1/2(a+b)$ is formed by means of an adder circuit 13 and $1/2$ -multiplication circuit 14. The estimated value is supplied to a subtraction circuit 15 by which the difference between the estimated value and a real value is calculated and an estimated error is obtained from a absolute value production circuit 16. A threshold value is supplied to the other input terminal of a comparator circuit 17 from a terminal 18. The comparator circuit 17 performs thinning when estimated error is the same as or smaller than a threshold value and makes no thinning when estimated value is larger than the threshold value. Thus the data of each picture element on which transmission/thinning is controlled are transmitted together with one-bit control code indicating the transmission/thinning.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]